AMENDMENTS

In the claims:

Claims 1 to 10 (**Canceled**).

11. (**Currently Amended**) A method of inserting an exogenous nucleic acid into the genome of a **non-human and** non-Drosophilidae animal, said method comprising:

introducing into said animal a **P-element derived** ~~transposase recognized insertion sequence~~ vector comprising said exogenous nucleic acid under conditions sufficient for transposition to occur so that said exogenous nucleic acid is inserted into said genome.

12. (**Currently Amended**) A method of inserting an exogenous nucleic acid into the genome of a ~~non-Drosophilidae~~ **rodent** animal, said method comprising:

introducing into said animal a **P-element derived** vector ~~according to Claim 1~~ under conditions sufficient for transposition to occur so that said exogenous nucleic acid is inserted into said genome,

wherein said vector comprises a P-element transposase recognized insertion sequence and a single transcriptionally active gene that comprises said exogenous gene in close approximation to said P-element transposase recognized insertion sequence.

13. (**Currently Amended**) The method according to **Claim 11** ~~Claim 12~~, wherein said vector comprises a transposase domain.

14. (**Currently Amended**) The method according to **Claim 11** ~~Claim 12~~ wherein said method further comprises introducing a second vector comprising a transposase domain into said animal.

15. (**Currently Amended**) The method according to **Claim 11** ~~Claim 12~~, wherein said exogenous nucleic acid ranges in length from about 50 to 150,000 bp.

16. (**Canceled**)

17. (**Currently Amended**) The method according to **Claim 11** ~~Claim 12~~, wherein said ~~vertebrate~~ animal is **rodent** ~~a mammalian animal~~.

18. (**Currently Amended**) The method according to **Claim 17** ~~Claim 12~~, wherein said **rodent is a mouse** ~~mammalian animal is a rodent~~.

Claims 19 to 26. (**Canceled**)

27. (**Currently Amended**) A **non-human and** non-Drosophilidae animal or cells derived from said animal that has P-element transposase recognized insertion sequences integrated into the genome.

28. (**Original**) The animal or cells according to Claim 27, wherein said animal is a vertebrate or said cells are vertebrate cells.

29. (**Original**) The animal or cells according to Claim 28, wherein said animal is a mammal or said cells are mammalian cells.

30. (**Original**) The animal or cells according to Claim 29, wherein said animal is a rodent or said cells are rodent cells.

31. (**Currently Amended**) A **non-human and** non-Drosophilidae animal or cells derived from said animal that have P element transposase recognized 31bp insertion sequences integrated into the genome.

32. (**Original**) The animal or cells according to Claim 31, wherein said animal is a vertebrate or said cells are vertebrate cells.

33. (**Original**) The animal or cells according to Claim 32, wherein said animal is a mammal or said cells are mammalian cells.

34. (**Original**) The animal or cells according to Claim 33, wherein said animal is a rodent or said cells are rodent cells.

35. (**New**) The method according to Claim 12, wherein said vector comprises a transposase domain.

36. (**New**) The method according to Claim 12, wherein said method further comprises introducing a second vector comprising a transposase domain into said cell.

37. (**New**) The method according to Claim 12, wherein said exogenous nucleic acid ranges in length from about 50 to 150,000 bp.

38. (**New**) The method according to Claim 12, wherein said rodent is a mouse.